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Alcond

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[54] **SURGICAL ANASTOMOSIS STENT**

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[52] **U.S. Cl.** ..... **128/334 R;** 623/12; 623/66; 128/1 R

[58] **Field of Search** ..... 128/334 R, 334 C, 1 R; 623/11, 12

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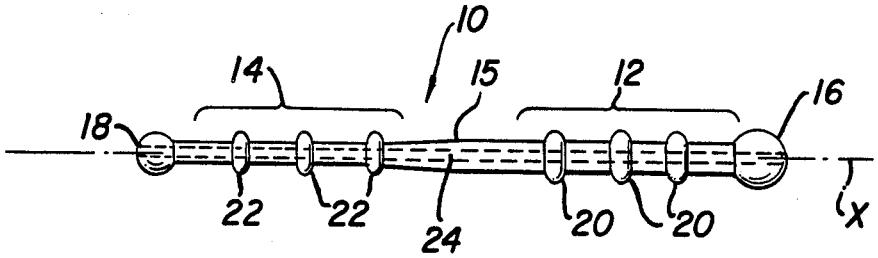
[57] **ABSTRACT**

A surgical stent (**10**) having elongate opposite end portions (**12, 14**) of different cross-sectional dimensions terminating in rounded terminal elements (**16, 18**) with rounded exterior surfaces is disclosed together with a surgical procedure for anastomosis of anatomical tubular organ structures. The stent contains a central canal (**24**) providing passage through the entire length of the stent and a plurality of annular ribs (**20, 22**) surrounding the exterior surfaces of the elongate portions (**12, 14**). The different cross-sectional dimensions of the two elongate portions (**12, 14**) allows selection of a stent to conform with the interior diameters of the lumena of the two sections of the tubular organ structure to be joined. The rounded exterior surfaces of the terminal elements (**16, 18**) and annular ribs (**20, 22**) assures a minimization of surgical trauma to the organ structure while the ribs minimize post-operative leakage at the site of the reanastomized tubular organ structure end sections.

27 Claims, 11 Drawing Figures